

## **SOURCE INVENTORY**

### **CATEGORY # 42**

### **SAND BLASTING**

#### **1999 EMISSIONS**

##### *Introduction*

This category is used to inventory particulate matter emissions from sand blasting operations in the Bay Area from both point and area sources.

##### *Methodology*

The District's Data Bank system contains information on companies with sand blasting operations in the Bay Area. The data was used to calculate emissions from these sources.

Sand usage was previously used as basis for estimating emissions from sand blasting operations. This is now less relevant. For example, bridge cleaning was one of the sources of PM emissions. However, since the early 1980's, bridge cleaning in the Bay Area has undergone material and process changes that have reduced particulate emissions.

Major suppliers of sand and steel, such as Monterey Sand Company and Kaiser Steel, no longer operate in the Bay Area; other companies have shown reductions in their sand supply for sand blasting operations. It is estimated that additional emissions from area sources are about 20% of the point source emissions.

##### *Monthly Variation*

The monthly variation of emission was estimated to be approximately double during the period of April through October as opposed to the rest of the year.

##### *County Distribution*

The county distribution of emissions was based on a composite estimation from both point and area sources. The point sources were based on each facility's location; the area sources were based on service employment as provide by the Association of Bay Area Governments (ABAG).

## **TRENDS**

### *History*

Historical trends were based on sandblasting throughputs. This growth profile was also modified to include District data between 1993 – 1999.

### *Growth*

Projections made to the year 2030 were based on ABAG's "Projection 98" Manufacturing Employment growth profile.